CEMENT
AND
LIME MANUFACTURE

Published by Concrete Publications, Ltd., 14 Dartmouth Street, London, S.W.1

INDEX TO VOL. XVIII, 1945.

PAGE

Accelerated test for cement manufacture 22
Admixtures uniformly, Feeding 43
Alkalis in Portland cement on the durability of concrete, The effect of 36
Analysis in industry, X-ray 60

AUTHORS :

Anderegg, Dr. F. O., on Effect of the size of grinding media on the properties of cement 12
Barton, J. F., on Feeding admixtures uniformly ... 43
Blondiau, Léon, on The nephelometric determination of sulphuric anhydride in cements 83, 113
Gibbs, Ralph, on By-products from rotary lime kilns 31
Kennedy, T. B., on The capping of concrete test specimens 41
Knickerbocker, C. J., on Charts for laboratory calculations 56, 80
Mussgnug, H., on Influence of cement on the cracking of concrete 44
Tremper, Bailey, on The effect of alkalis in Portland cement on the durability of concrete 36
Tschirky, Leopold, on Refractories in Portland cement manufacture 73, 92, 105
Wells, L. S., on Hydrated calcium sulphoaluminates 50
Wight, H. H., B.Sc., on Heat efficiency of a cement kiln and waste-heat boiler... 14
Zollinger, R., on Lime solubility of Portland cement 8

Boiler, Heat efficiency of a cement kiln and waste-heat 14
Bulk cement, Respirator for use in handling... ... 121
By-products from rotary lime kilns 31

Calcium sulphoaluminates, Hydrated 50
Calculations, Charts for laboratory 56, 80
Cements, U.S. restrictions on special... 42
Charts for laboratory calculations 56, 80
Classifying media, Mill lining for 9
Clinker grinding, Mills for 1
Coal, The use of small 35
Compound grinding mill, The mechanics of the 23, 49
Concrete, The effect of alkalis in Portland cement on the durability of 36
Cracking of concrete, Influence of cement on the ... 44
Crushing and grinding mills, Feeders and feed gears for 61

Durability of concrete, The effect of alkalis in Portland cement on the 36

Feeders and feed gears for crushing and grinding mills 61
Feeding admixtures uniformly 43

Grinding media on the properties of cement, Effect of the size of 12
Grinding mill, The mechanics of the compound 23, 49
Grinding mills, Feeders and feed gears for crushing and 61
Grinding, Mills for clinker 1

Heat efficiency of a cement kiln and waste-heat boiler 14
Hydrated calcium sulphoaluminates 50

Kiln and waste-heat boiler, Heat efficiency of a cement 14
Kilns, By-products from rotary lime 31
Kilns, Joining two 69

Laboratory calculations, Charts for 56, 80
Lime kilns, By-products from rotary 31
Lime solubility of Portland cement 8
Lining for classifying media, Mill 9
Low-heat cement and the control of temperature in mass concrete 45

Media, Mill lining for classifying 9
Media on the properties of cement, Effect of the size of grinding 12
Mexico, The cement industry in 70, 112
Mill lining for classifying media 9
Mill, The mechanics of the compound grinding 23, 49
Mills, Feeders and feed gears for crushing and grinding 61
Mills for clinker grinding 1

Nephelometric determination of sulphuric anhydride in cements, by Léon Blondiau 83, 113

PAGE

Refractories in Portland cement manufacture, by Leopold Tschirky 73, 92, 105
Research in Sweden, Cement and concrete 103
Respirator for use in handling bulk cement... ... 121

Soviet cement plant 40
Sulphoaluminates, Hydrated calcium... 50
Sulphuric anhydride in cements, The nephelometric determination of, by Léon Blondiau ... 83, 113
Sweden, Cement and concrete research in 103

PAGE

Temperature in mass concrete, Low-heat cement and the control of 45
Test for cement manufacture, Accelerated 22
Test specimens, The capping of concrete 41

United States, Cement production in the 22
U.S. restrictions on special cements 42

Waste-heat boiler, Heat efficiency of a cement kiln and 14

X-ray analysis in industry 60

BOOKS ON CONCRETE

"CONCRETE SERIES"

books on concrete are available on practically every aspect of the design and construction of reinforced concrete, precast concrete, the manufacture and chemistry of cement, and kindred subjects. A detailed catalogue will be sent on request.

CONCRETE PUBLICATIONS LIMITED

14, Dartmouth Street, Westminster, S.W.1

Printed by The Cornwall Press Ltd., Paris Garden, London, S.E.1.